



A toy tractor with a roll of yarn in its bucket hits an obstacle with speed. Although the toy stops upon impact, the roll continues its movement because of inertia. (Actually it rolls because the force of static friction between the books surface and the roll's surface causes moment relative to the roll's middle axis.)



The contents of a pencil case are resting on a sheet of concept paper. If one pulls the paper from under them fast enough they will continue to stay at rest because of their inertia.



Bottle with coloured water inside of it is resting on the floor. When it is spun the contents split up to the both ends of the bottle, like in a centrifuge. This is because the water has inertia and it tries to stay in a straight line motion. (The center seeking centripetal force keeping the water in circular motion is delivered by the normal force of the walls of the bottle.)

(Joonas)